

## HOW IT WORKS

The room controller consists of a **control panel** and a **connectivity panel**. The **control panel** has selection buttons which represent the user functions of the NSW DET Interactive Classroom. The **connectivity panel** is a separate panel for the connection of the user's leads for use with the components of the Interactive Classroom. The room controller sends purpose-built commands via control cables to the projector and the LCD. These commands are a reduced selection of the functions that are found on the remote controls for each device.

### CONTROL PANEL



1. PC
2. Laptop
3. Auxiliary Input
4. All Off
5. Video Conferencing
6. Video Conferencing Content



**PC** - select this button to send the PC image to the IWB.

#### Action Steps

1. Press button "PC" (1) on the control panel. A red light will illuminate indicating PC mode of operation
2. The projector will turn on and show the image from your PC on the IWB
3. The PC USB output will be connected to the speakers and the IWB
4. A "USB device is ready to use" message will appear after approximately 10 seconds—the IWB will then be ready to use.



**LAPTOP** - select this button to send the Guest Laptop image to the IWB and to enable the USB connection to the speakers and the IWB.

#### Action Steps

1. Connect your RGB laptop cable to connectivity panels VGA connector marked "VGA" (7).
2. Connect an Ethernet cable between your laptop and "network" port (8)
3. Connect a Type A male to male USB cable between your laptop and "USB" port (9).
4. Press button "LAPTOP" (2) on the control panel. A red light will illuminate indicating "LAPTOP" mode of operation.
5. Select the external monitor function on your laptop.
6. The Projector will turn on and show image from your guest laptop
7. The laptop USB output will be connected to the speakers and the IWB
8. A "USB device is ready to use" message will appear after approximately 10 seconds—the IWB will then be ready to use.

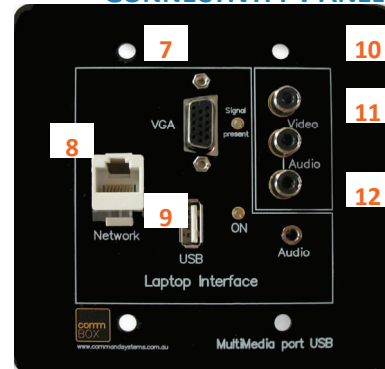


**Auxiliary** - select this button to choose the audio visual device that is connected to the composite Video (10) and audio ports (11) for use with the IWB & Speaker plus as an input for VC

#### Action Steps

1. Connect the video output of your AV device (DVD/VCR/camera etc.) to connectivity panel RCA connector marked "video" (10). Connect audio cables to ports marked "audio" (11).
2. Press button "AUX" (3) on the control panel. A red light will illuminate indicating Auxiliary mode of operation
3. The projector will turn on and be switched to the Video input. The image from your source (DVD/VCR/camera etc) will be displayed on the IWB and the audio will be played on the IWB speakers.
4. The output from the AV device is also sent directly to the codec.
5. Use the controls on the AV device as per usual.

### CONNECTIVITY PANEL



7. VGA laptop Input
8. Laptop Ethernet
9. USB Laptop Port
10. Aux Video
11. Aux Audio
12. Laptop Audio



**ALL OFF**, select this button to turn off the projector and the LCD display. **It is very important that the projector is turned off as the fan continues to operate and sucks in air through the filter, making cleaning of the filter more frequent.**

#### Action Steps

1. Press button "OFF" (4) on the control panel. A red light will illuminate indicating the start of "ALL OFF" mode.
2. The LCD will turn off immediately.
3. The projector will be put into "No Show" mode for 15 seconds. Should you wish to use a device within this time the projector will come on immediately without having to go through the cool down and warm up cycles.



**VIDEO CONFERENCING** - Select this button if you wish to perform a VC.

#### Action Steps

1. Press button "V-CONF" (5) on the control panel. A red light will illuminate indicating video conference mode of operation.
2. The LCD display will turn on and the AV2 input will be selected.
3. Start using your videoconferencing system as per normal.



**VIDEO CONFERENCING CONTENT** - select this button to display the content from the remote VC user onto the IWB.

#### To connect such equipment:

1. Press button "RECEIVE CONTENT" (6) on control panel. A red light will illuminate indicating RECIEVE CONTENT mode of operation. Plus the VC light will indicate if the VC button has not been pressed.
2. The LCD will turn on and the AV2 input will be selected.
3. The projector will turn on and the "Computer 2 input will be selected.
4. The remote content will be displayed on the IWB.

## ADVANCED FUNCTIONS

First ensure the system is 'On' (not 'All Off' mode). Ensure the projector is ready.



Press the commBOX logo in the middle of the panel. This button light will start to flash.

You now have the following options:



Press PC – This will initiate an auto adjustment of the projected image on the IWB. This is useful when connecting laptops



Press Laptop – **Note: This procedure should only be undertaken *after* the filter has been cleaned, replaced and projector restarted.** This will clear the “filter warning” indicator displayed by the projector at start up.



Press Aux – This will set the projector lamp mode to high brilliance. This is useful when the lamp has done many hours and is dimming.



Press Receive Content – This will set the lamp mode to normal brilliance.



As you press each button, a beep will be emitted to let you know the task has been performed.



When finished, press the commBOX logo once more. The light will stop flashing and you will be returned to the previous menu/selection.

## TIPS & TROUBLESHOOTING

### Tips

When using the “Auxiliary” input for VC content the audio will played on both the LCD speakers and the IWB speakers. You will need to turn the IWB speakers off as the audio is out of sync..

The only way to turn off the LCD or projector is by the “ALL OFF” button. If you only wish to turn off the LCD – press the “ALL OFF” button then within 15 seconds press the button associated with what you wish to stay powered on (PC/Laptop/Aux). If you wish to turn the projector off and use the LCD then press “ALL OFF” and then press the VC button after 5 seconds.

### Troubleshooting

The room controller operates the projector and the LCD monitor thus should the room controller fail the respective remote controls may be used to turn the devices on. However the Guest Laptop and Auxiliary devices may not be able to be selected. To operate the IWB interactively the USB lead in the “IWB USB” port on the cabling panel will need to be moved to one of the front USB ports on the room PC.

The top green indicator on the User Input Panel indicates that the PC video input devices has an active signal being fed into the UIP.

### Very important reminder:

**The projector should always be switched off at the end of a session, because the fan continues to operate and sucks in air through the filter, making cleaning of the filter more frequent.**